

In the United States Patent and Trademark Office

In re application of: Jeffery Andle	
For: Multi Reflective Acoustic Wave Device	
Serial No.~ Confirm: 10/620,934 ~ 8884	Group: 2834
Filed on: Jul 16, 2003	Examiner: Mark osborne Budd
Correspondence Date July 18, 2005	Docket: 0319US-BIODE

Information Disclosure Statement under 37 CFR 1.97

Honorable Director for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted pursuant with 37 CFR §1.97, 1.98. It is requested that the information disclosed herein be made of record in this application. It is further requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other applications cross referencing, relying on the priority of, or otherwise related to the above-identified application.

The accompanying documents represent the closest information known to the applicant at this time, that was not previously disclosed to the Office, and is provided to indicate the state of the art in support of applicants' position as detailed in the enclosed amendment and response and appendix. In accordance with 37 CFR §1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that the information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), nor should it be construed that any information cited herein or in the attached document is (or constitutes) "prior art" for this invention unless specifically otherwise indicated.

No explanation of relevance is necessary for documents in the English language (see 37 CFR 1.98(a)(3)(i)).

A credit card charge authorization form is provided to cover the fee required under rule 1.17(p). The director is hereby requested and authorized to charge any fee,

or credit any overpaid amount, to Deposit Account No. 501392, as needed to maintain the application in good standing in the Office.

In accordance with 37 CFR § 1.98, this IDS includes a list (e.g. form PTO-1449, or equivalent), together with copies, of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment thereto.

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted


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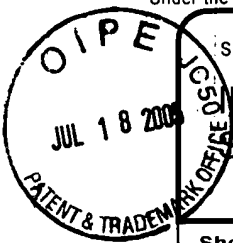
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/620,934
Filing Date	July 16, 2003
First Named Inventor	Jeffrey C. Andle
Group Art Unit	2834
Examiner Name	Mark Osborne Budd
Attorney Docket Number	0319US-BIODE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers, publisher, city and/or country where published.	T2
		'Saw Resonator 2-Pole Filters', E.J. Staples, J. Wise, J.S. Schoenwald and T.C. Lim, Proc. 234th Ann. Freq. control symposium pp. 273-277, USAERADCOM, Ft. Monmouth, NJ, May 1980.	
		'Multipole Saw Resonator Filters: Elements of Design and Fabrication', William J. Tanski, 1981 Ultrasonics Symposium pp. 100-104, 0090-5607/81/0000-0100.	
		'Multipole Saw Resonator Filters', William J. Tanski, 36th Annual Frequency Control Symposium-1982 pp. 400-404.	
		'1500 MHz Coupled Resonator Filter', M.B. King, L.W. Heep, J.C. Andle, 1987 Ultrasonic Symposium pp. 127-130.	
		'Reflective Arrays for SAW Resonators', Peter S. Cross, 1975 Ultrasonics Symposium Proceedings, IEEE Cat. No. 75 CHO pp. 994-4SU 241-244.	
		'A study of the Property and Potential Application of Acoustic-Surface-Wave resonators', G.L. Matthaie, F. Barman, E. B. Savage, and B.P. O'shaughnessy, 1975 Ultrasonics Symposium Proceedings, IEEE Cat. # 75 CHO 994-4SU pp. 284-289.	
		'Surface Acoustic Wave Resonators on ST-Quartz', E.J. Staples and R.C. Smyth, 1975 Ultrasonics Symposium Proceedings, IEEE Cat. #75 CHO 994-4SU pp. 307-310.	
		'UHF Surface Acoustic Wave Resonators', E. J. Staples, 1974 IEEE Frequency Control Symposium, pp. 280-285.	
		'Surface Acoustic Wave Resonators Constructed of Aluminum on ST Quartz for Use in High Stability Feed Back Oscilators', F.G. Marshal, 1975 Ultrasonics Symposium Proceedings, IEEE Cat.#75, CHO 994-4SU pp. 290-292.	
		'Design and Application of Two-Port SAW Resonators on YZ-Lithium Niobate', Peter S. Cross, William H. Haydal, and Robin S. Smith, Proceedings of the IEEE, Vol 64, No. 5, May 1976, pp. 682-685.	
		'Synchronous IDT SAW Resonators with Q above 10,000', Peter R. Cross, William R. Shreve, and Tun Sein Tan, 1979 Ultrasonics Symposium pp. 824-829, CH148-9/79/0000-0824.	

Examiner Signature	Date Considered
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*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Group Art Unit	2834		
		Examiner Name	Mark Osborne Budd		
Sheet	2	of	2	Attorney Docket Number	0319US-BIODE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue numbers, publisher, city and/or country where published.	T2
		'Multimode SAW Resonators - a Method to Study The Optimum Resonator Design' W. H. Haydl, B. Dischler, P. Hiesinger, 19756 Ultrasonics Symposium Proceedings pp. 287-296, IEEE Cat. # 76 CH1120- 5SU.	
		'GHz SAW Resonators', William J. Tanski, 1979 Ultrasonics Symposium pp. 815-823, Ch182-9/79-0000-0815.	
		'SAW Resonators and Coupled Resonator Filters', E.J. Staples and R. C. Smythe, 1976 IEEE Frequency Control Symposium, pp. 322-327.	
		'The Design of SAW Resonators on Quartz with Emphasis on Tow Ports', William J. Tanski and Herman van de Vaart, 1976 IEEE Ultrasonics Symposium, pp. 260-265.	
		'Surface Acoustic Wave Resonator Development' J. S. Schoenwald, W. R. Shreve and R.C. Rosenfeld, 1975 IEEE Frequency Control Symposium, pp. 150-157.	

Examiner Signature		Date Considered	
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